

ABSTRACT

A process (10) for producing synthesis gas includes, in a gasification stage (12), gasifying a carbonaceous feedstock to provide a raw synthesis gas which includes at least H_2 , CO and CH_4 and, in a partial oxidation stage (14), subjecting the raw synthesis gas to partial oxidation in the presence of oxygen to provide an upgraded synthesis gas which includes less CH_4 and more H_2 and CO than the raw synthesis gas. The invention extends to a process for producing a synthesis gas derived product.